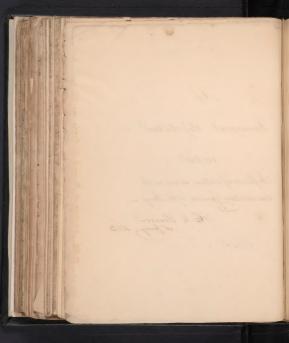
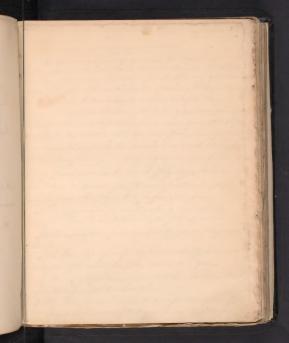
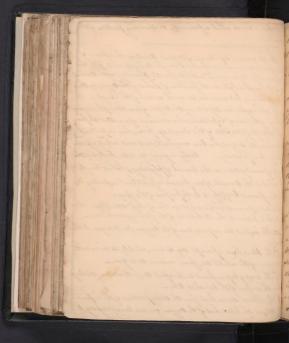
1440 - March 32.101. tul Inaugural desertation on the Influence of cutains causes on the decarbonating function of the Sungs -6. 6. Fearson 1813



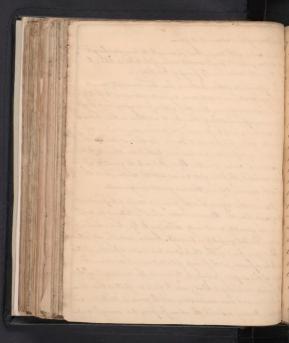




On butain cause which influences the the abonating functions of the In the various departments of natural knowledge the influence of the later appearance in Chamberly has been relieved felt; and this in fluence, has by no means, withhet from the physiology of the Unimal body . It has thealight on the functions of several of the bogan, in the human economy, but on oro one so much as that of the sungs. June the sucreful investigation of the Mature of one atmosphere soile knowledge of the uses of respectations has advances open alto the freesent highly prefected state of this knowledge from how important and curious the subject has been considered, and with what assidue it it has been pursued. Without giving an inthe history of the Trogres of investigations in this branch of physiology, I shall briefly Hote what is the amount of our french in prinction Duspecting it, and then proceed to apply it to the persons of this spay .-The latest represents on this paper on there of ally alle hips - the West of this Labour is the establishment of the Juliving conclusing -1. The inspired air impacts from of its Coggene for Mitrogene bother Doch blood bow a punift viz. carbone, which by its unon with the organic of the inhalis air, forms carbonic acid gus .-3. The watery bapour found in the roping au, is the serous discharge from the surface of the bronchiat tuby -If The Alord derives heat fine the elecomporations of the imperior Olizall the latest heat of the Organ gas not being meebaing to -



the formation of the cartonic acid gay -Who dark colour of the benery blood is owing to the being sour charged with carbon; and the bright social colour of the artical blood for its parting with cultones in the process of breathing . -The experiments of thom Gentlemen have been conducted on a much largusteale, and with more vigilant indiavoury to fortify against all sources of error, than their of their pud capers; and they had a more improved state of them try to wie them in their labourge This conclusions as to the products of the protione, are not widely life ent Sporther of Crawferd Lavorier & Lang. Forthemost farminant circumstances of respirations was considered by the latter Chemists, to be the reposition of cubon from the blood But as lothe quantity of Organi consumed, the place of its union with the carbon, and the Source of the agueous behour, there is a greater disagreement. Hewould then appear that the principal design of Be purtion is to separate from the bloods a matter, which if letuines in any considerable quantity, is extremely distrious to life; but which in a certain limited quantity is harmless . Carbon enters largely into the blood as a part of the Chyle; and but a small portion ofit Sums to be expended in the process of Matritions and secretions. The disign of this suplus puchases is, to promote the conversion of chyle into prefect animalized bloos; and to assist in effecting then the - composition, and new-combination, which occur in Mutriston and decition. Having arravered the above purpose this conseque out

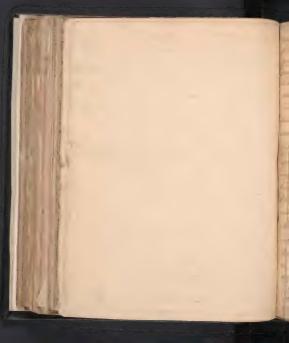


of the Switten chiffy through the lange Carbon is throw an exerction, a term which was first applied to it by Profesor Comofthis University. At considered its separation from the blood proteer a secondary accumitance, and one, Much instrumental Sothe production of animal that; but as a process fremarily and in delf estimated Jothe healthy condition of the animal machine -Having given this preparatory statets of what occur in Respection, Sproceed to State a conjection, which I shallendean voute support enthe subsequent part of this day vez. that there an cutain circumstance, affecting Susperation which subject the human system to such a retention of the Certon of the blood, as to be Morbid, and cause decangement and disease, Sam not to be considered as speaking of those sudden and absolutes interruptions of the Junctions of the lungs, which constitute as - physia and Suffication abul such as are not the effect of acci-- deat, and airs from causes which are gendual and extensione in their operations. There are obviously 3. circumstances, on which much defend the more of less to perfect decabonation of the blood, the state of the atmosphere breather; and the freedow with which the tive is admitted to the extreme pulmonary supels. According to this general decritors will be arranged the Junfacts and arguments, by which I had attempt to defend the above position D. But of Thom Course which afterine the Circulation propose to confine mosely to one . vig. Exercise . ..

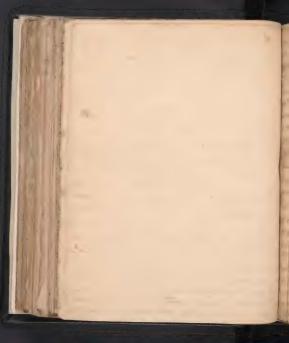
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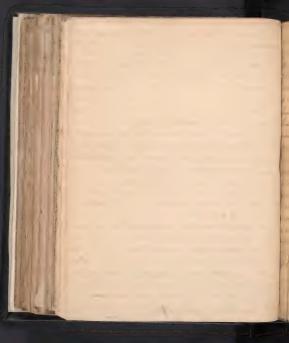
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the second 17 + 1 6 de 1. Senet itante of full circulation of a falled or blink thing, huple to our wet in temaciatio budy . Chouve also the measure and 1 " to the in of the unfortunates free ( to le . Lin ter test in win with the he went decention quality, or point in significant 11 - 1 " 1 " 1 " ula fineli " I to the tell the the the ten women of the word, title wife to and to certaint, office for the uter referreday, or at familion one of h thrown to the well our it to surprised that execuentance, which to have to les serve to or the south, front intine be followed by seath model office . It i why wonderful, as the proton after to in who write of orthoston, pro when to the action South waite of words the Ille de I we puster the init a dat be arrive in her y to will be to be a second or many to be that I a study a this More see. wind to the first total of e continuite to all not 1 7 7 - 37 1 16 16 1 - y - H . h. 1 Hafter & fall win the a



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Que. ut. 1 1 11 it ce til me lay, mineral a situate a bld . it is 1 'd was with them wills like that who has and there is windy be able to be of your her from & sport to colon, in his -Togeth is the confinition of belo, of con in a He will and Much. It you have we not reason to still in you fall out of and a first bid of in the "rank of a secretory to that of an anonter gone; I ama Post it i du st fot wis in the It to the in that di and inter tope it to the bolded then as Coline and the buds in allie. in the dette to the transfer to refthe bile air our 2 . 1 de 1 11/2 . 1. 11 . listo and economy which waters for come or worken him to time I there is . . Tinge 18. 44 his and San aprilant to the lungs in de In fact to ble for to at let wifity of such an apristant A form 1, It is function , and are influence by a my with the there is to offe a to a min to,



. . . . . lungs an as it were propring or to make our of in a rece . the lands are a fixed quantity, and the ex-" 1 ag to \$15 or all one The weath will always of ass to . the latter . How when we consider how prince the It i will afect to the constitute instating cooking to will contain without offener, and how hable this adarbly in 1 I hack to warounde swange when report to find we the long, a continuous and good but the it is an a value or tube of safety, which would premit the compens Jucklus carbone good a vive to sail for last in with in 1. . 1 . Merce. H. hiert to att. In wall forthe new, the after, to be a sofull in the O in a rich show as a supplied both times. The in we trust with the sept at den . 11 de in i'l williaming I will the it 1 12 1 Van -1 - water often a test The Way to gland the section of ot one uniform Miright . I . With a me Could not subsect it his sung consumed to in a queles this we tout out ly gli ist that. I in un experience They do I to the Me de to to the the . It was the formation of animal head to in correct is this to it is it is



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a col no a latin a last it while in a to be at ? how it his of chosening of the il to conting they with the of the tild war redicte or what the of the a between the line to i with the head a dit I to good week & that? De what he has so it is most higher hectable that to the a testiver, it is to is a real ter was with the com I the with a det cat, bet . . . printer on the builted waste ofthe for Thomas be conjectured where I'm his in when o the ski that other day the as to I a in the circulation of the such de Hore moute to ving dule wo deline to Double hier and us to a in the If weithly of tele former, I rol the matrials for it. I to be time But the but writer on belie , die so, to for that believite in excely in the prime via, at the ... to finder blist of the - it It. It i durate to with blath in the remedit with fine wall di the two particles to



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sind the state of commenter. Our " 1 year with to him a settle of a those who are a set letter. 1.1: 1. pin a tight atmospher to love. Wrinten bloom is of the M. dicarbonale in the lange, its Un-back to the head I de the governor the to deti the estimation. .. with . The wind they will nother to I I' See insenerates I de in months on il Costing suppose it to act light a supporter of going Orgque to the blow. The Asthmatic is much arroyed by damp weathing from the course. We have it states to be out With prox with in a given bulk of lin. the is must be the quartito of the fit to make for mady the life fitter aut such air be to wine to perform of of atile? O the cam have mertine to the from the of at mortish to program to



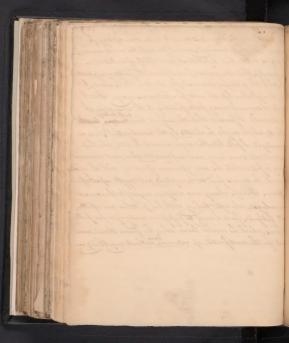
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is a will dette he circulation slow and fulle; the I that thought at signer; the I you much believed commenten first of a strending on cold, the jet from the teles the unfertunate Blue Bog is a viction. Bit and refer to part the coloure to Wrom wit of the longs , The sags he has promitted 11 the may capertooted, in astrona, of a black colour. La wie .. a i hasi'n a most at any of and sended andere to a principality I we effect to an A cal and in the der. . Mortin observed duch as labor wed intuition a f 1 . xpectorate a black mucus in the morning . 1 to takes Hotice of the Jum thing . . 1. going chaintens a no allowate over it is my ( .. to my the Fout the officery, on white of their in ! " I thank to the mostly, more digerally and to diet the sten at tothe dieter, to finish 1,0 th 1 dal tong May this nit is to who to a diff to soling the trans with the comment of the



Stefore concluding it is sevenbut on me to make some apology for This spay, In most considered, and I par with too much reason, not only as hood, but hypothetical, and willly speculation. Smust confels, that at my outset, had I formen the pailty of my mater rials, and the grotugue and unhappy structure From about to wise, I might have left the work for a feature visionary. But I thought I discovered many facts, pointing to the deduction, I have drawn. I famued that the Subject had become brother within it, which might be clicited by the investigation of and in commencingit, I felt like the eague mireral hunter, who has wandered into some wild, and unfrequenter spot, and commenced opining a fit : while his only assurance of meeting with the objects search, he derives from the uninfland, and ragges expect of the place. Perhaps Imag now compare myself to the same minera logist, who after toiling with his pickage and spate, until fatigues, finds himself in possisions merely of a few hall specimens, which he would leave when he found them, were not for the mortification of returning without any thing ...



Irewain 10/3-no 44 - No 76 Budit & Felts.

